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IPC 7 English version

B07C - B07C 9/00

SECTION B – PERFORMING OPERATIONS; TRANSPORTING

B 07 **SEPARATING SOLIDS FROM SOLIDS; SORTING** (separation in general B01D; wet separating processes, sorting by processes using fluent material in the same way as liquid B03; using liquids B03B, B03D; sorting by magnetic or electrostatic separation of solid materials from solid materials or fluids, separation by high voltage electric fields B03C; centrifuges or vortex apparatus for carrying out physical processes B04; sorting peculiar to particular materials or articles and provided for in other classes, see the relevant classes)

B 07 C **POSTAL SORTING; SORTING INDIVIDUAL ARTICLES, OR BULK MATERIAL FIT TO BE SORTED PIECE-MEAL, e.g. BY PICKING** (specially adapted for a specific purpose covered by another class, see the relevant place, e.g. A43D 33/06, B23Q 7/12)

Note

This subclass covers sorting of materials or articles by hand or by devices actuated, manually or automatically, as a result of inspection or of detection or measurement of some feature of the material or articles.

Subclass Index

SORTING CHARACTERISED BY THE METHOD

B07C 5/00, B07C 7/00, B07C 9/00

SORTING ACCORDING TO DESTINATION

B07C 1/00, B07C 3/00

Postal sorting; Similar sorting of documents, e.g. cheques (tube mail systems B65G 51/04; sorting information records, e.g. punched cards, G06F 7/10)

- 1/ 00** **Measures preceding sorting according to destination**
 - 1/ 02 . Forming articles into a stream; Arranging articles in a stream, e.g. spacing, orientating
 - 1/ 04 . . Forming a stream from a bulk; Regulating the stream, e.g. spacing the articles
 - 1/ 06 . . Orientating; Aligning
 - 1/ 10 . Sorting according to size or flexibility
 - 1/ 12 . . Separating letters from parcels
 - 1/ 14 . . Sorting according to length or width
 - 1/ 16 . . Sorting according to thickness or stiffness
 - 1/ 18 . Orientating articles other than in a stream
 - 1/ 20 . Sorting according to orientation, e.g. according to position of stamp
- 3/ 00** **Sorting according to destination**
 - 3/ 02 . Apparatus characterised by the means used for distribution
 - 3/ 04 . . Drum-type sorting machines
 - 3/ 06 . . Linear sorting machines in which articles are removed from a stream at selected points
 - 3/ 08 . . using arrangements of conveyers
 - 3/ 10 . Apparatus characterised by the means used for detection of the destination (methods or arrangements for reading and recognising printed or written characters or geometric figures G06K 9/00)
 - 3/ 12 . . using electric or electronic detecting means (B07C 3/14 takes precedence)
 - 3/ 14 . . using light-responsive detecting means
 - 3/ 16 . . using magnetic detecting means
 - 3/ 18 . Devices or arrangements for indicating destination, e.g. by code marks
 - 3/ 20 . Arrangements for facilitating the visual reading of addresses, e.g. display arrangements

- 5/ 00** **Sorting according to a characteristic or feature of the articles or material being sorted, e.g. by control effected by devices which detect or measure such characteristic or feature; Sorting by manually actuated devices, e.g. switches** (sorting by hand only B07C 7/00; separating solids from solids by sieving, screening, or sifting or by using gas currents or other separating by dry meth applicable to bulk material B07B; sorting of coins G07D) [3]
- 5/ 02 . Measures preceding sorting, e.g. arranging articles in a stream, orientating
 - 5/ 04 . Sorting according to size
 - 5/ 06 . . measured mechanically
 - 5/ 07 . . . by calipering using relatively moving article-engaging means, e.g. clamps [2]
 - 5/ 08 . . measured electrically or electronically (B07C 5/10 takes precedence)
 - 5/ 10 . . measured by light-responsive means
 - 5/ 12 . . characterised by the application to particular articles, not otherwise provided for (sorting eggs A01K 43/00)
 - 5/ 14 . . . Sorting timber or logs
 - 5/ 16 . Sorting according to weight (sorting eggs A01K 43/00; weighing apparatus per se G01G)
 - 5/ 18 . . using a single stationary weighing mechanism
 - 5/ 20 . . . for separating articles of less than a predetermined weight from those of more than that weight
 - 5/ 22 . . using a plurality of stationary weighing mechanisms
 - 5/ 24 . . using moving weighing mechanisms, e.g. moving along a circular path
 - 5/ 26 . . . wherein the counterbalancing effect of the weighing mechanisms is varied during such movement
 - 5/ 28 . . using electrical control means
 - 5/ 30 . . with associated counting means
 - 5/ 32 . . with associated check-weighing means
 - 5/ 34 . Sorting according to other particular properties
 - 5/ 342 . . according to optical properties, e.g. colour
 - 5/ 344 . . according to electric or electromagnetic properties
 - 5/ 348 . . according to radioactive properties
 - 5/ 36 . Sorting apparatus characterised by the means used for distribution
 - 5/ 38 . . Collecting or arranging articles in groups
- 7/ 00** **Sorting by hand only**
- 7/ 02 . Compartmented furniture, e.g. pigeon-holes (storage racks B65G)
 - 7/ 04 . Apparatus or accessories for hand picking
- 9/ 00** **Sorting, with or without orientating, not otherwise provided for**

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